

## INTERNATIONAL SEARCH REPORT

Internal Application No  
PCT/US 01/03295

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B60T13/66 B60T13/74 F16D55/40

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B60T F16D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, WPI Data, EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 83 01044 A (PIETZSCH LUDWIG) 31 March 1983 (1983-03-31) page 7, line 28 -page 8, line 13 page 8, line 20 -page 9, line 18; figure 5	1,2,4-6, 8,9
X	EP 0 296 728 A (GEN MOTORS CORP) 28 December 1988 (1988-12-28) column 6, line 33 - line 48; figure 2	1-3,5-7, 9
X	US 4 865 162 A (MOSELEY DOUGLAS D ET AL) 12 September 1989 (1989-09-12) column 3, line 22 - line 54; figures 1-4	1,2,4-6, 8,9
X,P	WO 01 15948 A (ALLIED SIGNAL INC) 8 March 2001 (2001-03-08) page 3, line 1 - line 12; figure 1	1,2,4-6, 8,9

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents :

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Date of the actual completion of the international search

25 October 2001

Date of mailing of the international search report

02/11/2001

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

Internal ref.	Application No.
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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 8301044	A	31-03-1983		AT 21361 T DE 3272580 D1 WO 8301044 A1 EP 0089347 A1 JP 58501585 T		15-08-1986 18-09-1986 31-03-1983 28-09-1983 22-09-1983
EP 0296728	A	28-12-1988		US 4768401 A BR 8803062 A CA 1286235 A1 EP 0296728 A2 JP 1063429 A		06-09-1988 10-01-1989 16-07-1991 28-12-1988 09-03-1989
US 4865162	A	12-09-1989		FR 2608241 A1 GB 2199097 A ,B		17-06-1988 29-06-1988
WO 0115948	A	08-03-2001		AU 1568801 A WO 0115948 A2		26-03-2001 08-03-2001